

Spot Detectors

SD, SD-Z, SD-Z1, SD-RO1
Leak Detection for Conductive Fluids

Monitor. Integrate. Alert. Peace of Mind.

Applications

RLE's spot detectors detect the presence of conductive fluids at a single point and are ideal for:

- o Drip pans
- o Floor drains
- o Contained spaces

Key Features

- o No exposed metal sensing posts
- o Small footprint/enclosure
- o Four different spot detector configurations available to suit individual installation and monitoring needs

When used with a distance-read controller, the SD-Z simulates 50 feet (15.24m) of SeaHawk leak detection cable.

The SD-Z1 is for use with zone controllers only, and only one of these spot detectors should be used per zone.



Leak Detection For Contained Environments

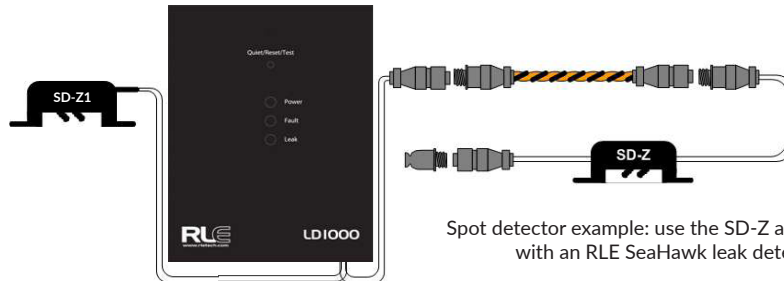
RLE offers four models of SeaHawk spot detectors that integrate with RLE's leak detection controllers and other alarm monitoring systems.

What Sets RLE's Spot Detectors Apart?

- o **Potted electronics** ensure nothing within the sensor will rust or corrode, and the unit will continue to function when submerged in water.
- o **Simple installation.** Spot detectors connect quickly to a controller and can be screwed or ram set to a floor or baseboard.
- o **Adjust the sensing probes** or add spacers under the spot detector's mounting holes to change the amount of fluid that must be present in order to trigger an alarm.

SD, SD-Z, SD-Z1, & SD-RO1 Spot Detectors • Compatible with a wide range of RLE products.

Product Codes	Compatibility	Leader Cable Length	Power
SD	FMS, RA1x2	14 feet (4.27m)	N/A (powered by panel)
SD-Z	Any SeaHawk controller, WiNG-LD	Two, 10 inch (0.25m) w/male & female connectors	N/A (powered by panel)
SD-Z1	Any zone leak detection controller, WiNG-LD	14 feet (4.27m)	N/A (powered by panel)
SD-RO1	Any product that accepts a digital dry contact input	14 feet (4.27m)	Isolated 24VAC/VDC Supply



Technical Specifications	
Power	SD-RO1 requires an isolated power supply, as does the SD if it is powered by a power supply and not the FMS or RA1x2.
SD	The SD is usually powered by the RLE FMS or RA1x2. In the event that it is not used in conjunction with one of these products: 24VDC (±10%) Isolated @ 0.1A max.; requires RLE power supply PSWA-DC-24-ST (not included) <i>NOTE: If a DC power supply is used the SD will be a latching device - once an alarm is detected, the spot detector will remain in an alarm state until power is cycled to the SD.</i> 24VAC (±10%) Isolated @ 0.1A max.; requires RLE power supply WA-AC-24-ST (not included)
SD-Z, SD-Z1	N/A (powered by controller)
SD-RO1	24VDC (±10%) Isolated @ 0.1A max.; requires RLE power supply PSWA-DC-24-ST (not included) <i>NOTE: If a DC power supply is used the SD-RO1 will be a latching device - once an alarm is detected, the spot detector will remain in an alarm state until power is cycled to the SD-RO1.</i> 24VAC (±10%) Isolated @ 0.1A max.; requires RLE power supply WA-AC-24-ST (not included)
Solid State Output Only available on SD	12-36VAC @ 0.01A min., 0.1A max.; 18-36VDC @ 0.01A min., 0.1A max.
Relay Output Only available on SD-RO1	Dry Contact, Form C; 1A @ 24VDC, 0.5A resistive @ 120VAC
Sensor Probe Height	Distance from the sensor probe to floor is adjustable, from 0" to 0.19" (0mm - 4.8mm) Spacers can be added under the spot detector if additional height is required.
Leader Cable (Non-sensing) Length SD, SD-RO1, SD-Z1 SD-Z Connector SD, SD-RO1, SD-Z1 SD-Z	14' (4.27m) Two, 10" (0.25m); male & female connector N/A - spot detector leader cable wires directly into controller 1 male, 1 female; 4 pin, 0.96in (24.4mm) diameter; connects to SeaHawk sensing cable (SC) cable or non-sensing cable (NSC)
Operating Environment Temperature Humidity Altitude	32° to 122°F (0° to 50°C) 5% to 95% RH, non-condensing 15,000ft (4,572m) max.
Storage Environment	-4° to 158°F (-20° to 70°C)
Dimensions	1.55"W x 2.0"H x 1.0"D (39.4mmW x 50.8mmH x 25.4mmD)
Weight SD SD-Z SD-Z1 SD-RO1	4 oz. (105g) 3 oz. (93g) 5 oz. (136g) 7 oz. (192g)
Certifications	CE; ETL listed: conforms to UL 61010-1, EN 61010-1; RoHS compliant

